

ABSTRACT

TITLE OF THE INVENTION: METHOD AND SYSTEM FOR CLOSING A RECEPTACLE

A method of closing an open end of a receptacle having a wall with an inner wall surface. The method includes providing an end element including an internal portion thereof formed for at least partial engagement thereof with the inner wall surface. One or more heating elements are provided, for heating a heated layer of the internal portion to a hot working temperature in an inert atmosphere. When the heated layer is at the hot working temperature, an engagement part of the heated layer is engaged with a preselected part of the wall. One or both of the receptacle and the end element are subjected to an engagement motion relative to the other while the engagement part and the preselected part are engaged for plastic deformation thereof, to at least partially bond the heated layer and the wall of the receptacle together to form a gastight container assembly.

Fig. 2A